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  NEWS 7 SEP 21   CA/CAplus fields enhanced with simultaneous left and right
                     truncation
  NEWS 8 SEP 25   CA(SM)/CAplus(SM) display of CA Lexicon enhanced
  NEWS 9 SEP 25   CAS REGISTRY(SM) no longer includes Concord 3D coordinates
  NEWS 10 SEP 25   CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
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  NEWS 16 OCT 23   The Derwent World Patents Index suite of databases on STN
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  NEWS 19 NOV 10   CA/CAplus F-Term thesaurus enhanced
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  NEWS EXPRESS   NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
                 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                 AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

  NEWS HOURS   STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 13:05:01 ON 11 NOV 2006

=> s (polyketide synthase gene) and (KSQ domain) and (AT specific for ethylmalonyl
CoA) and (ACP)
L1   1 (POLYKETIDE SYNTHASE GENE) AND (KSQ DOMAIN) AND (AT SPECIFIC
                  FOR ETHYLMALONYL COA) AND (ACP)

=> d l1 ti abs ibib tot

L1   ANSWER 1 OF 1 WPIDS COPYRIGHT 2006   THE THOMSON CORP on STN

TI   Novel recombinant host cell (Saccharopolyspora erythraea) comprising
      recombinant biosynthetic pathways for producing precursor (butyryl CoA)
      required for biosynthesis of a product (propyl-6-deoxyerythronolide B)
AN   2002-256023 [30]   WPIDS
CR   2001-308652
AB   WO 2001031049 A2   UPAB: 20060119
       NOVELTY - A recombinant host cell (I) having one or more expression
      vectors expressing enzymes (II) capable of making product (P) and
      precursor (PR) required for biosynthesis of (P) in (I), where (I):
           (a) is unable to make (P) due to lack of all/part of a biosynthetic
      pathway required to produce PR; or
           (b) makes (P) in much smaller amounts due to PR being present in low
      amounts in the absence of (II), is new.
           DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
      following:
           (1) a recombinant polyketide synthase
      gene (III) that encodes a loading module comprising a ketosynthase
      (KS)Q domain, an acyl transferase (AT) specific
      for ethylmalonyl CoA, and an acyl carrier
      protein (ACP) domain; and
           (2) a host cell (IV) that comprises (III), and a recombinant gene
      such as recombinant ccr or icm genes.
           ACTIVITY - Antimicrobial.
           MECHANISM OF ACTION - Antibiotic.
           No suitable data given.
           USE - (I) (Saccharopolyspora erythraea cell which does not express
      a functional eryM gene product) is useful for producing
      14,15-propenylerythromycin and/or the corresponding 14,15-propenyl-6-
      deoxyerythronolide B. The method involves culturing (I) that expresses
      isobutyryl CoA mutase, valine dehydrogenase, butyryl CoA dehydrogenase,
      and 6-deoxyerythronolide polyketide synthase. The butyryl CoA
      dehydrogenase is expressed from gene isolated from Clostridum
      acetobutylicum or Mycobacterium tuberculosis (fadE25) (claimed).
           (I) is useful for producing polyketides (both macrolide aglycones
      and their modified derivatives) that are naturally occurring or produced
      by recombinant DNA technology. The polyketides produced are useful
      intermediates in formation of compounds with antibiotic or other activity

through hydroxylation, epoxidation, and glycosylation reactions. The
polyketides are useful as antibiotics and as intermediates in synthesis of
other useful compounds such as erythromycin. The erythromycin analogs
produced using (I) are used clinically as prokinetic agents to induce
phase III of migrating motor complexes, to increase esophageal
peristalsis, etc.

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ACCESSION NUMBER:      2002-256023 [30]     WPIDS
CROSS REFERENCE:       2001-308652
DOC. NO. CPI:          C2002-076316 [30]
TITLE:                 Novel recombinant host cell (Saccharopolyspora erythraea)
                       comprising recombinant biosynthetic pathways for
                       producing precursor (butyryl CoA) required for
                       biosynthesis of a product (propyl-6-deoxyerythronolide B)
DERWENT CLASS:         B05; D16
INVENTOR:              KATZ L; REVILL P
PATENT ASSIGNEE:       (KATZ-I) KATZ L; (KOSA-N) KOSAN BIOSCIENCES INC; (REVI-I)
                       REVILL P
COUNTRY COUNT:         93
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PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2001031049	A2	20010503	(200230)*	EN	85 [2]	
AU 2001012317	A	20010508	(200230)	EN		
EP 1224317	A2	20020724	(200256)	EN		
US 6627427	B1	20030930	(200367)	EN		
US 20030235892	A1	20031225	(200408)	EN		
EP 1224317	B1	20060308	(200618)	EN		
DE 60026563	E	20060504	(200634)	DE		

APPLICATION DETAILS:

PATENT NO	KIND		APPLICATION	DATE
WO 2001031049 A2			WO 2000-US29447	20001025
US 6627427 B1	Provisional		US 1999-161414P	19991025
US 20030235892 A1	Provisional		US 1999-161414P	19991025
EP 1224317 A2			EP 2000-973861	20001025
EP 1224317 B1			EP 2000-973861	20001025
US 6627427 B1			US 2000-697022	20001025
US 20030235892 A1	Div Ex		US 2000-697022	20001025
EP 1224317 A2			WO 2000-US29447	20001025
EP 1224317 B1			WO 2000-US29447	20001025
AU 2001012317 A			AU 2001-12317	20001025
US 20030235892 A1			US 2003-607809	20030627
DE 60026563 E			DE 2000-626563	20001025
DE 60026563 E			EP 2000-973861	20001025
DE 60026563 E			WO 2000-US29447	20001025

FILING DETAILS:

PATENT NO	KIND		PATENT NO	
US 20030235892	A1	Div ex	US 6627427	B
AU 2001012317	A	Based on	WO 2001031049	A
EP 1224317	A2	Based on	WO 2001031049	A
EP 1224317	B1	Based on	WO 2001031049	A
DE 60026563	E	Based on	EP 1224317	A
DE 60026563	E	Based on	WO 2001031049	A

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PRIORITY APPLN. INFO: US 1999-161414P 19991025
                      US 2000-697022 20001025
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=> e katz, l/au
E1         2        KATZ ZEILIG M/AU
E2        14        KATZ ZVI/AU
E3         0  -->   KATZ, L/AU
E4         1        KATZ-OZ O/AU
E5         1        KATZ-PEK M D/AU
E6         1        KATZ-ROTHMAN S/AU
E7         1        KATZAGIANNAKIS J/AU
E8        18        KATZAKIAN/AU
E9        17        KATZAKIAN A/AU
E10        1        KATZAKIAN A J/AU
E11        2        KATZAKIAN ARTHUR/AU
E12        1        KATZAKIAN JOHN/AU

=> e revill, p/au
E1        16        REVILL W P/AU
E2        25        REVILL W PETER/AU
E3         0  -->   REVILL, P/AU
E4        66        REVILLA/AU
E5        12        REVILLA A/AU
E6         1        REVILLA A D/AU
E7         1        REVILLA A G JR/AU
E8         5        REVILLA A L/AU
E9         5        REVILLA A P/AU
E10        1        REVILLA A V JR/AU
E11        1        REVILLA AHUMADA L/AU
E12        2        REVILLA ALMA/AU
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